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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Jonathan J. Hull

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KILPATRICK TOWNSEND & STOCKTON LLP

TWO EMBARCADERO CENTER

EIGHTH FLOOR

SAN FRANCISCO, CA 94111-3834

EXAMINER

PATEL, MANGLESH M

ART UNIT

PAPER NUMBER

2178

NOTIFICATION DATE

DELIVERY MODE

02/25/2011

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docket@kilpatricktownsend.com

ipefiling@kilpatricktownsend.com

jlhice@kilpatrick.foundationip.com

### Office Action Summary

**Application No.**

10/001,891

**Applicant(s)**

HULL ET AL.

**Examiner**

MANGLESH M. PATEL

**Art Unit**

2178

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 July 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 and 13-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 and 13-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-940)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 12/1/2010
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This **Non-Final** action is responsive to the RCE filed on 7/19/2010 & IDS filed on 12/1/2010.
2. In the continuation claims 1-10 & 13-28 remain pending. Claims 1, 6, 13, 18, 23 and 26 are the independent claims.

### **Withdrawn Rejections**

3. The 35 U.S.C. 102(a) rejections of claims 1-10 and 13-28 with cited reference of Yang has been withdrawn in light of the amendment.

### **Information Disclosure Statement**

4. The information disclosure statement (IDS) submitted on 12/1/2010 has been entered, and considered by the examiner.

### **Claim Rejections - 35 USC § 103**

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-10 and 13-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yang (U.S. 6,301,586, filed on Oct. 6, 1997) in view of Agnihotri (U.S. 6,608,930, filed on Aug. 9, 1999).

**Regarding Independent claims 1, 13 and 23,** A computer-implemented method of generating a paper document based upon a plurality of multimedia documents stored as individual files in a file system, each storing multimedia information in electronic form, the method comprising: receiving information at a processor of a computer system identifying a selection criterion; retrieving with the processor of the computer system the multimedia information stored by each of the plurality of multimedia documents stored as individual files in the file system; determining with the processors of the computer system whether, based on the selection criteria portions of video information or audio information in the multimedia information stored by each of the plurality of multimedia documents that satisfy the selection criterion; extracting from each corresponding file in the file system the identified portions of video information or audio information in the multimedia information with the processor of the computer system including at least a first portion of video information or audio information extracted by the processor directly from a first multimedia document stored as an individual file in the file system and a second portion of video information or audio information extracted by the processor directly from a second multimedia document stored as an individual file in the file system; and printing the portions of Video information or audio information in the multimedia information that satisfy the selection criterion using an output device associated with the computer system, including the extracted first portion and the

extracted second portion, on a paper medium to generate the paper document comprising a set of one or more printed pages.

Yang discloses receiving information at a processor of a computer system identifying a selection criterion. He discloses identifying a selection criterion as using search related functions/query for searching and accessing databases to retrieve multimedia objects (column 7, lines 19-26). Column 24, lines 40-50 discloses "The real power of this media database management system is the powerful and flexible way **to query the database system by using predefined criteria**" thereby teaching identifying a selection criterion for identifying video clips or sound information. **Yang further discloses (column 4, lines 60-64) "...data files, such as database files used by the multimedia object management system of the invention, audio files, text files, image files, video clip files."** Thereby teachings that **multimedia information stored by each of the plurality of multimedia documents are stored as individual files in the file system.** Yang discloses printing the clips that satisfy the predefined criteria using an output device such as a printer that includes a first clip or from a first collection and a second clip from a second collection as a new collection on a paper medium to generate a set of one or more printed pages which includes the number of clips per page as specified by the user and disclosed in figs 19-21. Yang mentions video clips and audio data, however being stored separately and categorized as collections. **Yang fails to explicitly teach extracting portions of video/audio data from a first multimedia document stored as an individual file, instead he identifies the video audio data residing in a collection.**

Thus there is no extraction from a "multimedia document stored as an individual file". Agnihotri explicitly discloses extracting portions of video data from individual video files based on user criteria such as sports or a news program or particular event. These video files are video clips and the user criteria identifies portions relevant for extraction by searching for text within the video and separating the required portions for further processing and editing. Thus Agnihotri teaches the skilled artisan to extract relevant portions of data from individual multimedia files, a first or second or third as needed which are then saved and edited (see abstract & column 3, lines 5-60). At the time of the invention it would have been obvious for one of ordinary skill in the art to have modified the system of Yang to further analyze video clips stored as individual files. The motivation is that significant time is saved by searching for relevant portions of video data in lengthy video clips.

Regarding Dependent claims 2 and 14, Yang discloses wherein printing the portions of video information or audio information in the multimedia information that satisfy the selection criterion using the output device associated with the computer system on the paper medium to generate the paper document comprises: printing text information on at least one page of the set of printed pages of the paper document using the output device such that words in the text information that satisfy the selection criterion are annotated, wherein the text information is extracted by the processor from the portions of video information or audio information in the multimedia information using one or more audio or video recognition techniques (see column 22, lines 42-55 & fig 22-23, which discloses

printing text information on a page as annotated data, the text information being extracted by the processor from the clips).

**Regarding Dependent claims 3 and 15,** Yang discloses wherein printing the portions of video information or audio information in the multimedia information that satisfy the selection criterion using the output device associated with the computer system on the paper medium to generate the paper document comprises: printing one or more video frames on at least one page of the set of printed pages of the paper document using the output device such that at least one video frame that satisfies the selection criterion is annotated, wherein the one or more video frames are extracted by the processor from the portions of video information in the multimedia information (see column 22, lines 42-55 & fig 22-23, which discloses printing text information on a page as annotated data, the text information being extracted by the processor from the clips).

**Regarding Dependent claims 4, 10, 16 and 22,** Yang discloses wherein receiving the information at the processor of the computer system identifying the selection criterion comprises: receiving information at the processor identifying a topic of interest (Column 24, lines 40-50, wherein querying includes identifying a topic of interest).

**Regarding Dependent claims 5, 17 and 25,** Yang discloses wherein printing the portions of video information or audio information in the multimedia information that satisfy the selection criterion using the output device associated with the computer system

on the paper medium to generate the paper document comprises: generating a printable representation using the processor for the portions of the video information or audio information in the multimedia information that satisfy the selection criterion; and printing the printable representation using the output device on the paper medium to generate the paper document (see column 22, lines 42-55 & fig 22-23, which discloses printing text information on a page as annotated data, the text information being extracted by the processor from the clips).

**Regarding Independent claims 6, 18 and 26,** A method of generating a paper document using multimedia information stored by a first multimedia document and a second multimedia document, the method comprising:

Receiving, at the processor of a computer system, input identifying a selection criterion; Accessing with the processor printable representations for the first multimedia document and the second multimedia document; Analyzing with the processor the printable representation for the first multimedia document in response to the input to identify at least one portion of the printable representation that satisfies the selection criterion; analyzing with the processor the printable representation for the second multimedia document in response to the input to identify at least one portion of the printable representation that satisfies the selection criterion; generating a consolidated printable representation with the processor that includes the at least one portion of the printable representation for the first multimedia document and the at least one portion for the second multimedia document that satisfy the selection criterion; and printing the



consolidated printable representation using an output device associated with the computer system on a paper medium to generate the paper document comprising one or more printed pages.

Yang discloses receiving information at a processor of a computer system identifying a selection criterion. He discloses identifying a selection criterion as using search related functions/query for searching and accessing databases to retrieve multimedia objects (column 7, lines 19-26). Column 24, lines 40-50 discloses “The real power of this media database management system is the powerful and flexible way **to query the database system by using predefined criteria**” thereby teaching identifying a selection criterion for identifying video clips or sound information. **Yang further discloses (column 4, lines 60-64) “...data files, such as database files used by the multimedia object management system of the invention, audio files, text files, image files, video clip files.”** Thereby teachings that multimedia information stored by each of the plurality of multimedia documents are stored as individual files in the file system. Yang discloses printing the clips that satisfy the predefined criteria using an output device such as a printer that includes a first clip or from a first collection and a second clip from a second collection as a new collection on a paper medium to generate a set of one or more printed pages which includes the number of clips per page as specified by the user and disclosed in figs 19-21. Yang mentions video clips and audio data, however being stored separately and categorized as collections. **Yang fails to explicitly teach extracting portions of video/audio data from a first multimedia document stored as**

an individual file, instead he identifies the video audio data residing in a collection. Thus there is no extraction from a "multimedia document stored as an individual file". Agnihotri explicitly discloses extracting portions of video data from individual video files based on user criteria such as sports or a news program or particular event. These video files are video clips and the user criteria identifies portions relevant for extraction by searching for text within the video and separating the required portions for further processing and editing. Thus Agnihotri teaches the skilled artisan to extract relevant portions of data from individual multimedia files, a first or second or third as needed which are then saved and edited (see abstract & column 3, lines 5-60). At the time of the invention it would have been obvious for one of ordinary skill in the art to have modified the system of Yang to further analyze video clips stored as individual files. The motivation is that significant time is saved by searching for relevant portions of video data in lengthy video clips.

Regarding Dependent claims 7, 19 and 27, Yang discloses wherein: analyzing the printable representation for the first multimedia document comprises determining at least one page in the printable representation for the first multimedia document that comprises information that satisfies the selection criterion; analyzing the printable representation for the second multimedia document comprises determining at least one page in the printable representation for the second multimedia document that comprises information that satisfies the selection criterion; and generating the consolidated printable representation comprises including the at least one page from the printable representation for the first

multimedia document and the at least one page from the printable representation for the second multimedia document in the consolidated printable representation (see column 6, lines 10-67, disclosing extraction of relevant portions based on a criteria including editing as shown in fig 23 comprising different images in a single page as desired by a user).

**Regarding Dependent claims 8 and 20,** Yang discloses wherein printing the consolidated printable representation on the paper medium to generate the paper document comprises: printing text information on at least one page of the one or more printed pages of the paper document such that words in the text information that satisfy the selection criterion are annotated (see column 22, lines 42-55 & fig 22-23, which discloses printing text information on a page as annotated data, the text information being extracted by the processor from the clips).

**Regarding Dependent claims 9 and 21,** Yang discloses wherein printing the consolidated printable representation on the paper medium to generate the paper document comprises: printing one or more video frames on at least one page of the one or more printed pages of the paper document such that at least one video frame of the one or more video frames that satisfies the selection criterion is annotated (see column 6, lines 10-67, disclosing annotation of video frames).

**Regarding Dependent claim 24,** with dependency of claim 23, Yang discloses wherein the code for printing the portions of video information or audio information the

multimedia information that satisfy the selection criterion on the paper medium to generate the paper document comprises: code for printing text information on at least one page of the set of printed pages of the paper document such that words in the text information that satisfy the selection criterion are annotated, wherein the text information is extracted from the portions of video information or audio information in the multimedia information; and code for printing one or more video frames on the at least one page such that at least one video frame that satisfies the selection criterion is annotated, wherein the one or more video frames are extracted from the portions of video information or audio information in the multimedia information (see column 22, lines 42-55 & fig 22-23, disclosing printing text information on the page with annotated words).

**Regarding Dependent claim 28**, with dependency of claim 26, Yang discloses wherein the code for printing the consolidated printable representation on the paper medium to generate the paper document comprises: code for printing text information on at least one page of the one or more printed pages of the paper document such that words in the text information that satisfy the selection criterion are annotated; and code for printing one or more video frames on at least one page of the one or more printed pages of the paper document such that at least one video frame of the one or more video frames that satisfies the selection criterion is annotated (see column 22, lines 42-55 & fig 22-23, disclosing annotating the frames & printing text information on the page with annotated words).

**It is noted that any citation [[s]] to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. [[See, MPEP 2123]]**

### **Response to Arguments**

7. Applicants arguments filed 11/5/2009 have been fully considered but are moot in view of the new grounds of rejection.

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Manglesh M. Patel whose telephone number is (571) 272-5937. The examiner can normally be reached on M,F 8:30-6:00 T,TH 8:30-3:00 Wed 8:30-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen S. Hong can be reached on (571)272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Manglesh M. Patel  
Patent Examiner (AU 2178)  
February 11, 2011

/Manglesh M Patel/  
Manglesh Patel  
Examiner, Art Unit 2178

| /Stephen S. Hong/  
| Supervisory Patent Examiner, Art Unit 2178